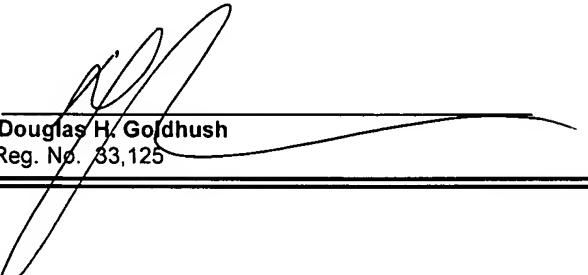


FORM PTO-1390 (REV 12-2001)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 58504.00037
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		DATE: March 1, 2005
		U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.5) <b>10/525987</b>
INTERNATIONAL APPLICATION NO. PCT/GB2003/ 03514 <i>[initials]</i>	INTERNATIONAL FILING DATE 12 August 2003	PRIORITY DATE CLAIMED 3 September 2002
TITLE OF INVENTION: FORMATION OF LATTICE-TUNING SEMICONDUCTOR SUBSTRATES		
APPLICANT(S) FOR DO/EO/US: Adam Daniel CAPEWELL; Timothy John GRASBY; Evan Hubert Cresswell PARKER; Terence WHALL Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed [35 U.S.C. 371(c)(2)] <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)]. <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)] <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].</li> <li>10. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].</li> </ol>		
Items 11 - 19 below concern other document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98, along with form PTO-1449 and 11 References.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>16. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>17. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>18. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input checked="" type="checkbox"/> Other items or information: CHECK NO. <u>12620</u>; Formal Drawings (Figs. 1-2e; 2 sheets); UK Search Report; PCT/ISA/210; PCT/IPEA/416; PCT/IPEA/409; PCT/IB/306</li> </ol>		

PLN. NO. (IF KNOWN, 7 C.F.R. 1.50) <b>111525987</b>	INTERNATIONAL APPLICATION NO. PCT/GB2003/ 03514 <i>ff</i>	ATTORNEY DOCKET NO. 58504.00037		
		DATE: March 1, 2005		
<input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY		
Basic National Stage Fee .....\$300.00				
National Stage Search Fee.....\$500.00				
National Stage Examination Fee.....\$200.00				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$ 1,000.00		
-Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].				
Claims	Number Filed	Number Extra	Rate	
Total Claims	21 - 20 =	1	X \$ 50.00	\$ 50.00
Independent Claims	1 - 3 =	0	X \$ 200.00	
Multiple dependent claim(s) (if applicable)		+ \$360.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
- 100 =	/50 =		X \$250.00	<i>642 400</i>
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 1,050.00		
Reduction by one-half for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27.				
<b>SUBTOTAL =</b>		\$ 1,050.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)]. +				
<b>TOTAL NATIONAL FEE =</b>		\$ 1,050.00		
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +		\$ 40.00		
<b>TOTAL FEES ENCLOSED =</b>		\$ 1,090.00		
		Amount to be refunded	\$	
		Charged	\$	

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) <b>1111525987</b>	INTERNATIONAL APPLICATION NO. PCT/GB2003/003514	ATTORNEY DOCKET NO. 58504.00037
DATE: March 1, 2005		
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1,090.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge Counsel's Deposit Account No. 50-2222 in the amount of \$_____ to cover the above fee. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Counsel's Deposit Account No. 50-2222.</p>		
<p>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p><b>Customer Number 32294</b>  <b>SQUIRE, SANDERS &amp; DEMPSEY LLP</b>  <b>8000 Towers Crescent Drive</b>  <b>14<sup>th</sup> Floor</b>  <b>Tysons Corner, Virginia 22182-2700</b>  <b>Telephone: 703-720-7800</b>  <b>Fax: 703-720-7802</b></p>		
 <p>Douglas H. Goldhush Reg. No. 33,125</p>		